WHAT IS CLAIMED IS:

1	1. A method for fabricating a sensor on a substrate having a pair of				
2	electrodes, said method comprising:				
3	depositing a first layer of conducting material onto said substrate having a				
4	pair of electrodes; and				
5	depositing a second layer of polymer film onto said first layer of				
6	conducting material thereby fabricating said sensor.				
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1	2. The method according to claim 1, wherein said conducting material				
2	comprises carbon black.				
1	3. The method according to claim 1, wherein said deposition of said				
2	conducting material is by aerosol spraying.				
1	4. The method according to claim 2, further comprising drying said				
2	carbon black before deposition of said second layer.				
1	5. The method according to claim 2, wherein said carbon black layer				
2	has a thickness between about 0.01 micron to about 10 microns.				
1	6. The method according to claim 5, wherein said carbon black layer				
2	has a thickness between about 0.1 micron to about 1 micron.				
1	7. The method according to claim 1, further comprising depositing				
2	said first layer of conducting material through a mask.				
1	8. The method according to claim 7, wherein said mask comprises a				
2	plurality of apertures.				
1	9. The method according to claim 1, wherein said deposition of said				
2	first layer of conducting material comprises robotic amateur.				
	and the or conducting material comprises robotic amateur.				
1	10. The method according to claim 1, wherein said deposition of said				
2	second layer of said polymer film comprises robotic amateur.				
1	11. The method according to claim 1, further comprising denositing				
)	11. The method according to claim 1, further comprising depositing said second layer of polymer film through a mask.				
-	said second layer of polymer finn unough a mask.				

I	12. The method according to claim 11, wherein said mask comprises			
2	plurality of apertures.			
1	13. The method according to claim 1, further comprising processing			
2	said second layer of polymer film after depositing upon said first layer of conducting			
3	material.			
1	14. The method according to claim 13, wherein said processing is a			
2	member selected from the group consisting of vacuum processing, photo-active			
3	polymerization and cross-linking.			
	perymensation and cross making.			
1	15. The method according to claim 1, wherein said sensor is an array			
2	of sensors having a first sensor and a second sensor.			
1	16. The method according to claim 15, wherein said first sensor is			
2	compositionally different than said second sensor.			
1	17. The method according to claim 15, wherein said first sensor has a			
2	different polymer film layer than said second sensor.			
1	18. The method according to claim 1, wherein said substrate comprise			
2	a dielectric material.			
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1	19. The method according to claim 1, wherein said substrate further			
2	comprises a member selected from the group consisting of a heater, a thermistor and a			
3	combination thereof.			
1	20. The method according to claim 1, wherein said substrate further			
2	comprises a member selected from the group consisting of a temperature probe, humidity			
3	probe and a combination thereof.			
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1	21. A method for fabricating a sensor on a substrate having a pair of			
2	electrodes, said method comprising:			
	depositing a first layer of conducting material onto said substrate having a			
4	pair of electrodes to form a substrate having a conducting material disposed thereon;			
5	processing said substrate having a conducting material disposed thereon to			
6	remove any solvent;			

7	depositing a second layer of polymer film onto said first layer of				
8	conducting material to form a fabricated sensor; and				
9		proce	essing said fabricated sensor to cure said second layer of polymer		
10	film.				
1		22.	The method according to claim 21, wherein said sensor is an array		
2	of sensors				